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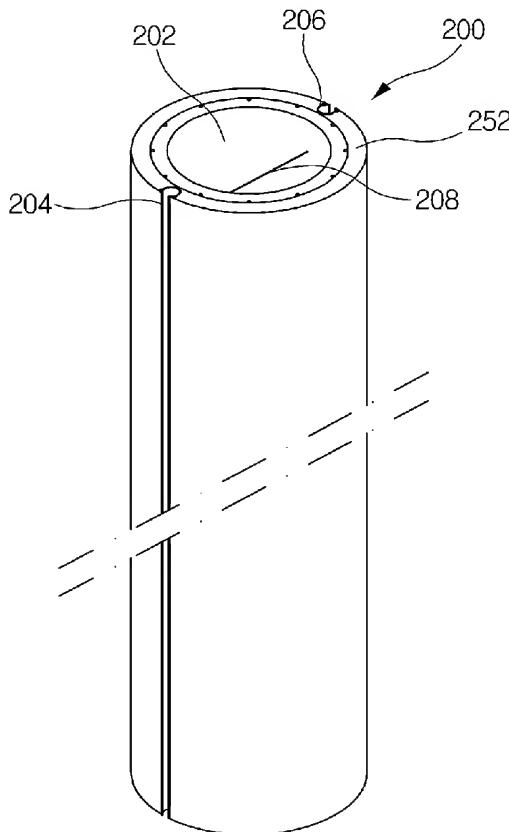
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(54) Title: PHC PILE USED IN PERMANENT RETAINING WALL STRUCTURE AND CONNECTION METHOD OF PHC PILE



(57) **Abstract:** The present invention relates to a PHC pile used in a permanent retaining wall structure, and a connection method thereof, and more particularly, to a method of connecting PHC piles to each other by inserting a connection bar into connection pipes embedded in sheaths of the PHC piles. To this end, the PHC pile comprises a left connection pipe installed at one side of the sheath of the PHC pile and a right connection pipe embedded at the other opposite side of the sheath. Further, the method of connecting the PHC pile to each other comprises the steps of inserting a waterproof material into inner semi-cylindrical grooves of the connection pipes, inserting the connection bar between the connection pipes of the PHC piles, and consecutively connecting a plurality of PHC piles to one another by repeating the above steps.

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